#7

PCT09

RAW SEQUENCE LISTING DATE: 05/21/2002
PATENT APPLICATION: US/10/018,729 TIME: 15:42:53

Input Set : A:\ST99021 Sequence.ST25.txt
Output Set: N:\CRF3\05212002\J018729.raw

ENTERED

<110> APPLICANT: DARTEIL, Raphael
CROUZET, Joel
STAELS, Bart
MAHFOUDI, Abderrahim
<120> TITLE OF INVENTION: SYSTEM OR REGULATION OF EXPRESSION USING PPAR NUCLEAR RECEPTORS
<130> FILE REFERENCE: ST99021 US PCT
<140> CURRENT APPLICATION NUMBER: 10/018,729
C--> <141> CURRENT FILING DATE: 2002-04-22
<150> PRIOR APPLICATION NUMBER: FR 99/07957
<151> PRIOR FILING DATE: 1999-06-22
<150> PRIOR APPLICATION NUMBER: US 60/149,721
<151> PRIOR FILING DATE: 1999-08-20
<150> PRIOR APPLICATION NUMBER: PCT/FR00/01744
<151> PRIOR FILING DATE: 2000-06-22
<160> NUMBER OF SEQ ID NOS: 28
<170> SOFTWARE: PatentIn version 3.0
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<211> LENGTH: 19
<212> TYPE: DNA
C--> <213> ORGANISM: Artificial
<220> FEATURE:
<223> OTHER INFORMATION: sequence of a sige in the PPAR response element
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<212> TYPE: DNA
C--> <213> ORGANISM: Artificial
<220> FEATURE:
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tcgccaagct tctcgtgatc tgcggca 27
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<212> TYPE: DNA
C--> <213> ORGANISM: Artificial
<220> FEATURE:
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acgtgtcgac actagtggct agaggatctc taccagg 37
<210> SEQ ID NO: 4
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<212> TYPE: DNA

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C--> 67 <213> ORGANISM: Artificial
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer
72 <400> SEQUENCE: 4
73 cgatggtacc ctcgagcaat gtgctagcga gatccttcaa cctttacc 48
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 13
78 <212> TYPE: DNA
C--> 79 <213> ORGANISM: Artificial
81 <220> FEATURE:
82 <223> OTHER INFORMATION: sequence of site in PPAR response element
84 <400> SEQUENCE: 5
85 aggtcaaagg tca 13
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 69
90 <212> TYPE: DNA
C--> 91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <223> OTHER INFORMATION: primer
96 <400> SEQUENCE: 6
97 acgtgtcgac actagtcaaa actaggtcaa aggtcacgga aaactaggtc aaaggtcacg 60
99 gaaaactag 69
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 64
104 <212> TYPE: DNA
C--> 105 <213> ORGANISM: Artificial
107 <220> FEATURE:
108 <223> OTHER INFORMATION: primer
110 <400> SEQUENCE: 7
111 cgatggtacc ctcgagcaat gtgctagccg tgacctttga cctagttttc cgtgacctttt 60
113 gacc 64
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 32
118 <212> TYPE: DNA
C--> 119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: primer
124 <400> SEQUENCE: 8
125 acgtagatct cggtaggcgt gtacggtggg ag 32
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 29
130 <212> TYPE: DNA
C--> 131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: primer
136 <400> SEQUENCE: 9
137 acgtaagctt ctatggaggt caaaacagc 29
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 21

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C--> 143 <213> ORGANISM: Artificial
     145 <220> FEATURE:
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     153 <211> LENGTH: 42
     154 <212> TYPE: DNA
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     157 <220> FEATURE:
     158 <223> OTHER INFORMATION: primer
     160 <400> SEQUENCE: 11
     161 agtctctaga gctacgcgta caagtccttg tagatctcct gc                   42
     164 <210> SEQ ID NO: 12
     165 <211> LENGTH: 32
     166 <212> TYPE: DNA
C--> 167 <213> ORGANISM: Artificial
     169 <220> FEATURE:
     170 <223> OTHER INFORMATION: primer
     172 <400> SEQUENCE: 12
     173 agtcacgcgt gggcgatctt gacaggaaag ac                              32
     176 <210> SEQ ID NO: 13
     177 <211> LENGTH: 21
     178 <212> TYPE: DNA
C--> 179 <213> ORGANISM: Artificial
     181 <220> FEATURE:
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     184 <400> SEQUENCE: 13
     185 gcctttgagt gagctgatac c                                          21
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     189 <211> LENGTH: 35
     190 <212> TYPE: DNA
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     193 <220> FEATURE:
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     196 <400> SEQUENCE: 14
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     202 <212> TYPE: DNA
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     205 <220> FEATURE:
     206 <223> OTHER INFORMATION: primer
     208 <400> SEQUENCE: 15
     209 agtcactagt ccatggctgc ccagtgcctc acgacc                          36
     212 <210> SEQ ID NO: 16
     213 <211> LENGTH: 21
     214 <212> TYPE: DNA
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Input Set : A:\ST99021 Sequence.ST25.txt
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C--> 215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: primer
220 <400> SEQUENCE: 16
221 caggtttgct gaatgtgaag c 21
224 <210> SEQ ID NO: 17
225 <211> LENGTH: 40
226 <212> TYPE: DNA
C--> 227 <213> ORGANISM: Artificial
229 <220> FEATURE:
230 <223> OTHER INFORMATION: primer
232 <400> SEQUENCE: 17
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236 <210> SEQ ID NO: 18
237 <211> LENGTH: 31
238 <212> TYPE: DNA
C--> 239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: primer
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248 <210> SEQ ID NO: 19
249 <211> LENGTH: 35
250 <212> TYPE: DNA
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253 <220> FEATURE:
254 <223> OTHER INFORMATION: primer
256 <400> SEQUENCE: 19
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260 <210> SEQ ID NO: 20
261 <211> LENGTH: 50
262 <212> TYPE: DNA
C--> 263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: primer
268 <400> SEQUENCE: 20
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272 <210> SEQ ID NO: 21
273 <211> LENGTH: 42
274 <212> TYPE: DNA
C--> 275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: primer
280 <400> SEQUENCE: 21
281 tacggggtac ccagacatga taagatacat tgatgagttt gg 42
284 <210> SEQ ID NO: 22
285 <211> LENGTH: 33
286 <212> TYPE: DNA
C--> 287 <213> ORGANISM: Artificial

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Input Set : A:\ST99021 Sequence.ST25.txt
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289 <220> FEATURE:
290 <223> OTHER INFORMATION: primer
292 <400> SEQUENCE: 22
293 gtcagctagc cggtaggcgt gtacggtggg agg 33
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297 <211> LENGTH: 33
298 <212> TYPE: DNA
C--> 299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: primer
304 <400> SEQUENCE: 23
305 tacgctcgag cttctatgga ggtcaaaaca gcg 33
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 750
310 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 24
315 Met Gly Glu Thr Leu Gly Asp Ser Pro Ile Asp Pro Glu Ser Asp Ser
316 1 5 10 15
318 Phe Thr Asp Thr Leu Ser Ala Asn Ile Ser Gln Glu Met Thr Met Val
319 20 25 30
321 Asp Thr Glu Met Pro Phe Trp Pro Thr Asn Phe Gly Ile Ser Ser Val
322 35 40 45
324 Asp Leu Ser Val Met Glu Asp His Ser His Ser Phe Asp Ile Lys Pro
325 50 55 60
327 Phe Thr Thr Val Asp Phe Ser Ser Ile Ser Thr Pro His Tyr Glu Asp
328 65 70 75 80
330 Ile Pro Phe Thr Arg Thr Asp Pro Val Val Ala Asp Tyr Lys Tyr Asp
331 85 90 95
333 Leu Lys Leu Gln Glu Tyr Gln Ser Ala Ile Lys Val Glu Pro Ala Ser
334 100 105 110
336 Pro Pro Tyr Tyr Ser Glu Lys Thr Gln Leu Tyr Asn Lys Pro His Glu
337 115 120 125
339 Glu Pro Ser Asn Ser Leu Met Ala Ile Glu Cys Arg Val Cys Gly Asp
340 130 135 140
342 Lys Ala Ser Gly Phe His Tyr Gly Val His Ala Cys Glu Gly Cys Lys
343 145 150 155 160
345 Gly Phe Phe Arg Arg Thr Ile Arg Leu Lys Leu Ile Tyr Asp Arg Cys
346 165 170 175
348 Asp Leu Asn Cys Arg Ile His Lys Lys Ser Arg Asn Lys Cys Gln Tyr
349 180 185 190
351 Cys Arg Phe Gln Lys Cys Leu Ala Val Gly Met Ser His Asn Ala Ile
352 195 200 205
354 Arg Phe Gly Arg Met Pro Gln Ala Glu Lys Glu Lys Leu Leu Ala Glu
355 210 215 220
357 Ile Ser Ser Asp Ile Asp Gln Leu Asn Pro Glu Ser Ala Asp Leu Arg
358 225 230 235 240
360 Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr Ile Lys Ser Phe Pro Leu
361 245 250 255

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/21/2002
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Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,26,27,28